

Notice of Allowability

Application No.

09/730,781

Examiner

Walter F. Briney III

Applicant(s)

FISCHER ET AL.

Art Unit

2646

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment after final filed 27 October 2005.
2. ☒ The allowed claim(s) is/are 1,3-10,12-23 and 25-34.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance:

1. **Claims 1, 3-10, 12-23 and 25-34 are allowed.**

Claim 1 is limited to a *DSL front end*. Claim 1 has been amended to include the allowable limitations of claim 2 as set forth in the outstanding Final Rejection filed 08 September 2005, and thus, is allowable over the cited prior art.

Claims 3-6 depend on claim 1, and are allowable over the cited prior art for at least the same reasons.

Claim 7 is limited to a *DSL front end*. Claim 7 has been amended to be in independent form rendering the objection set forth in the outstanding Final Rejection filed 08 September 2005 moot, and thus, is allowable over the cited prior art.

Claims 8 and 9 depend on claim 7, and are allowable over the cited prior art for at least the same reasons.

Claim 10 is limited to a *digital subscriber line front end*. Claim 10 has been amended to include the allowable limitations of claim 11 as set forth in the outstanding Final Rejection filed 08 September 2005, and thus, is allowable over the cited prior art.

Claims 12-19 depend on claim 10, and are allowable over the cited prior art for at least the same reasons.

Claim 20 is limited to a *method of canceling an AM interference signal from a digital subscriber line signal*. Claim 20 has been amended to include the allowable

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limitations of claim 24 as set forth in the outstanding Final Rejection filed 08 September 2005, and thus, is allowable over the cited prior art.

Claims 21, 22, 23 and 25 depend on claim 20, and are allowable over the cited prior art for at least the same reasons.

Claim 26 is limited to *a method of canceling an AM interference signal from a digital subscriber line signal*. Claim 26 has been amended to be in independent form rendering the objection set forth in the outstanding Final Rejection filed 08 September 2005 moot, and thus, is allowable over the cited prior art.

Claims 27-29 depend on claim 26, and are allowable over the cited prior art for at least the same reasons.

Claim 30 is limited to *a method of canceling an AM interference signal from a digital subscriber line*. Claim 30 has been amended to be in independent form rendering the objection set forth in the outstanding Final Rejection filed 08 September 2005 moot, and thus, is allowable over the cited prior art.

Claim 31 depends on claim 30, and is allowable over the cited prior art for at least the same reasons.

Claim 32 is limited to *an apparatus for canceling an AM interference signal from a digital subscriber line signal*. Claim 32 recites essentially the same subject matter as claim 20, and thus, is allowable over the cited prior art for at least the same reasons.

Claims 33 and 34 depend on claim 32, and are allowable over the cited prior art for at least the same reasons.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Walter F. Briney III whose telephone number is 571-272-7513. The examiner can normally be reached on M-F 8am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sinh Tran can be reached on 571-272-7564. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



SINH TRAN
SUPERVISORY PATENT EXAMINER